

Cain, Alexis

From: Hoffman, Kathy <KHoffman@sterigenics.com>
Sent: Thursday, June 21, 2018 11:12 PM
To: Cain, Alexis
Subject: Meeting Forward Notification: USEPA-Illinois EPA-Sterigenics Discussion of EtO

Your meeting was forwarded

[Hoffman, Kathy](#) has forwarded your meeting request to additional recipients.

Meeting

USEPA-Illinois EPA-Sterigenics Discussion of EtO

Meeting Time

Friday, June 22, 2018 10:00 AM - Friday, June 22, 2018 10:45 AM

Recipients

[Taylor, Byron F.](#), [Tom Roberts \(tcr@vnf.com\)](#)

All times listed are in the following time zone: (UTC-06:00) Central Time (US & Canada)

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Cain, Alexis

From: Hoffman, Kathy <KHoffman@sterigenics.com>
Sent: Thursday, June 21, 2018 10:20 PM
To: Cain, Alexis
Cc: Sieffert, Margaret
Subject: RE: Monitoring Results

Thank you for sharing these results with me.

As we discussed today, I reviewed our files on this matter. You indicated today that you had forwarded all of your modelling results earlier for us to review. From my limited review today, we did not receive the modelling results from your office. We received an email in late January to confirm some modelling input parameters but did not receive any modelling results to review and/or verify accuracy. Can you forward to complete modelling input and results for us to review? We would like to review this information carefully.

We can discuss further tomorrow as needed.

Regards,
Kathy

From: Cain, Alexis [mailto:cain.alexis@epa.gov]
Sent: Thursday, June 21, 2018 5:11 PM
To: Hoffman, Kathy
Cc: Sieffert, Margaret
Subject: Monitoring Results

Dear Kathy—here are the monitoring data results table and coordinating map. Please let us know if you have any questions.

Thanks,
Alexis Cain
USEPA-Region 5
(312) 886-7018
cain.alexis@epa.gov

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Cain, Alexis

From: Hoffman, Kathy <KHoffman@sterigenics.com>
Sent: Thursday, June 21, 2018 11:19 PM
To: Cain, Alexis
Subject: RE: USEPA-Illinois EPA-Sterigenics Discussion of EtO

Alexis:

Thank you for this invite and opportunity to discuss this matter further with US EPA and IL EPA. I have forwarded the invitation to two advisors that I use for such matters: 1) Byron Taylor, an outside counsel from Sidley Austin Chicago that I use on environmental matters, and 2) Tom Roberts, attorney from VanNess Feldman that assists Sterigenics with government relations and regulatory matters in Washington DC. Given our discussions today, I felt it was important to include them in this discussion.

Let me know if you have any issues or concerns with them participating in our call tomorrow at 10am.

Regards,
Kathy

Kathleen Hoffman

Senior Vice President - Global Environmental, Health & Safety and Technical Services
Sterigenics, A Sotera Health Company
2015 Spring Road, Suite 650
Oak Brook, IL 60523
Office: 630.928.1758
khoffman@sterigenics.com



-----Original Appointment-----

From: Cain, Alexis [<mailto:cain.alexis@epa.gov>]
Sent: Thursday, June 21, 2018 4:50 PM
To: Cain, Alexis; Hoffman, Kathy; Nam, Ed; Siegel, Kathryn; Olson, Erik; Julie.Armitage@illinois.gov
Subject: USEPA-Illinois EPA-Sterigenics Discussion of EtO
When: Friday, June 22, 2018 10:00 AM-10:45 AM (UTC-06:00) Central Time (US & Canada).
Where: (202) 991-0477 Non-responsive

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Cain, Alexis

From: Hoffman, Kathy <KHoffman@sterigenics.com>
Sent: Friday, June 22, 2018 12:00 PM
To: Cain, Alexis
Cc: Nguyen, Phuong; Sieffert, Margaret
Subject: RE: Modeling files
Attachments: ATT00001.txt

Alexis:

Thank you very much for providing these input and output files. We will begin our review of them.

If you have any further questions on this matter or our proposed project, please feel free to contact me.

Regards,
Kathy

Kathleen Hoffman

Senior Vice President - Global Environmental, Health & Safety and Technical Services
Sterigenics, A Sotera Health Company
2015 Spring Road, Suite 650
Oak Brook, IL 60523
Office: 630.928.1758
khoffman@sterigenics.com



From: Cain, Alexis [mailto:cain.alexis@epa.gov]
Sent: Friday, June 22, 2018 9:12 AM
To: Hoffman, Kathy
Cc: Nguyen, Phuong; Sieffert, Margaret
Subject: Modeling files

Kathy—here are our modeling input/output files.

Alexis Cain
USEPA-Region 5
(312) 886-7018
cain.alexis@epa.gov

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Cain, Alexis

From: Hoffman, Kathy <KHoffman@sterigenics.com>
Sent: Friday, June 22, 2018 4:58 PM
To: Cain, Alexis
Subject: Technical Conference
Attachments: ATT00001.txt

Per our discussion this afternoon, following are some time periods next Wednesday and Thursday for an hour call to discuss technical details of this project:

- Wednesday: Anytime from 11am to 2pm
- Thursday: Anytime from 11 to 2:30pm

I am also working with Ramboll to review your EO monitoring and modelling studies. They may have some technical questions on these studies. I have suggested that they provide me a list of any questions and that I can bring this list to our technical conference call too.

Regards,
Kathy

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Cain, Alexis

From: Hoffman, Kathy <KHoffman@sterigenics.com>
Sent: Monday, June 25, 2018 6:06 PM
To: Cain, Alexis
Subject: RE: Technical Conference

Thank you for the note and proposed agenda. Sorry for not responding sooner but I have been in meetings most of the day.

I can make this technical conference time period and look forward to the discussions. It will just be Kevin Wagner and myself attending this call although I hope to have some questions from our consultants on the modelling and samplings. I do not intend to bring any counsel to this meeting.

Regards,
Kathy

From: Cain, Alexis [mailto:cain.alexis@epa.gov]
Sent: Monday, June 25, 2018 11:11 AM
To: Hoffman, Kathy
Subject: RE: Technical Conference

Hi Kathy—I hope you had a good weekend. We'd like to schedule the conference call for 11-12:30 on Wednesday. I'll send an appointment with conference call information. Please let me know who you will be including from Sterigenics, and in particular whether you will include counsel. You are welcome to do so of course; I will not invite our counsel unless yours will be participating.

Here's a draft agenda for the meeting; I welcome your input. If you have questions that you'd like us to answer on the call, it would be great if you could provide them in advance. We'll try to provide some specific questions for you tomorrow.

- Introductions
- Questions from Sterigenics for EPA about modeling and monitoring, if any
- Timeline for construction project
- Estimated emissions after construction project
- Potential future monitoring/stack rests
- EPA questions for Sterigenics (modeling parameters-- description and location of emissions points, exit velocities and potential fugitive emissions sources-- we will try to get you some questions tomorrow)
- Future meetings

Thanks!

Alexis Cain
USEPA-Region 5
(312) 886-7018
cain.alexis@epa.gov

From: Hoffman, Kathy [mailto:KHoffman@sterigenics.com]
Sent: Friday, June 22, 2018 4:58 PM
To: Cain, Alexis <cain.alexis@epa.gov>
Subject: Technical Conference

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Kathy

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Cain, Alexis

From: Hoffman, Kathy <KHoffman@sterigenics.com>
Sent: Tuesday, June 26, 2018 2:50 PM
To: Cain, Alexis
Subject: RE: Technical Conference

Categories: Record Saved - Shared

Alexis:

Attached are some questions I received from Ramboll, our third-party consultant, that is assisting us in the review of your modelling and sampling data:

1. Please provide a description of the sampling methods used including:
 - a. Types of collection devices
 - b. Method of calibration
 - c. QC samples included
 - d. Verification or certification steps that equipment had been purged and cleaned
 - e. Materials used in sampling train
 - f. Any SOPs or other descriptions of the field methods employed
 - g. Chain of custody procedures employed
 - h. Sample security/integrity controls for samples collected over extended periods
 - i. Traffic counts during sampling periods for locations near high-use roads, particularly differences between vehicle usage between day and night sampling periods for locations samples for extended periods.
2. Please describe the study design and sampling station location selection criteria with inclusion/exclusion factors.
3. Please provide information from background monitoring stations including locations and proximity to roadways, railways and industrial combustion sources.
4. Please provide monitoring results from background locations included in the study design or results from ambient air monitoring stations in the general area used to establish background conditions.
5. Please identify the laboratory and specific analytical methods employed for analyses including:
 - a. Method number or citation and description of custom method if used
 - b. Method detection limits
 - c. Limits of quantification
 - d. Results for laboratory and field QC samples
 - e. Any modifications or deviations from SOPs or established methods.
6. Please provide meteorological information for each date and time of sampling including:
 - a. Wind speed and direction for the general area at 10 m above ground level and any available upper level wind information
 - b. Wind speed and direction near ground level (breathing zone) at each sampling station
 - c. Relative humidity
 - d. Temperature
 - e. Amount and type of precipitation during sample collection.
7. Please provide meteorological information used as input for the modeling.
8. Please provide plot files or similar graphical output from the modeling showing concentration gradients, isopleths, or similar information.

We look forward to our discussion tomorrow.

Regards,

Kathy

From: Cain, Alexis [mailto:cain.alexis@epa.gov]
Sent: Monday, June 25, 2018 11:11 AM
To: Hoffman, Kathy
Subject: RE: Technical Conference

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Thanks!

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